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Director's Office

March 1, 2010

Dr. Dennis Kovar
Associate Director for High Energy Physics
SC-25/Germantown Building
U.S. Department of Energy
1000 Independence Avenue, SW
Washington, D.C. 20585-1290

Dear Dr. Kovar:

Attached please find the "R&D Proposal for the National Muon Accelerator Program". This proposal has been prepared by the Interim Directors of the Muon Accelerator Program (MAP) that we have established in response to your request in the letter to me dated October 2, 2009. The MAP combines participants from the previously existing Neutrino Factory and Muon Collider Collaboration (NFMCC) and the Muon Collider Task Force (MCTF), and these participants have been fully engaged in the preparation of this proposal. I am submitting the proposal on behalf of full MAP collaboration, composed of both the collaborating laboratories and the universities.

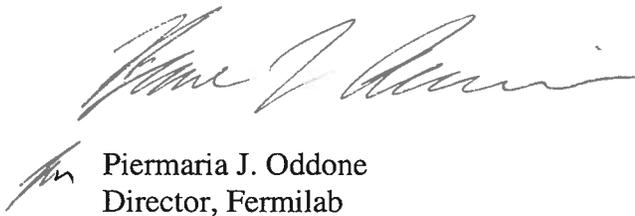
You will note that the plan provides three primary deliverables:

- A Muon Collider Design Feasibility Study Report (DFSR);
- Technology development and system tests that are needed to inform the MCDFSR; and
- A Reference Design Report (RDR) for a Neutrino Factory (completed with international partners)

Two funding profiles are provided, one of which make these deliverable available between FY2014 and FY2016, and a second which accelerates the overall schedule by a year. The attached proposal deals with issues at the Machine-Detector Interface, but does not include detector physics and detector studies—we suggest a complementary program to address these areas in parallel

The activities encompassed by this proposal represent an important step in providing long term opportunities for the U.S. HEP community on both the energy and intensity frontiers. We look forward to the DOE's consideration of this proposal, including a comprehensive peer review, and we are happy to communicate with you in any manner on any questions or comments you might have.

Sincerely,



Piermaria J. Oddone
Director, Fermilab

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